

Municipal Adaptation Planning Process: We Need Your Input!



March 5, 2024

Agenda

- Introduction with Duane Nicol
- Overview of the Government of Manitoba's Past, Current, and Future Plans with Leanne Shewchuk
- Mentimeter Session #1 with Georgia Exell
- Overview of the Adaptation Planning Process Guidebook & Workbook with Ashley Rawluk
- Mentimeter Session #2 with Georgia
- Q & A with the Audience



Mentimeter Session #1

Join at menti.com | use code 25 80 97 5

 Mentimeter

Instructions

Go to

www.menti.com

Enter the code

25 80 97 5



Or use QR code





About the Adaptation Planning Process Guidebook and Workbook for Manitoba Communities: From Impacts to Actions

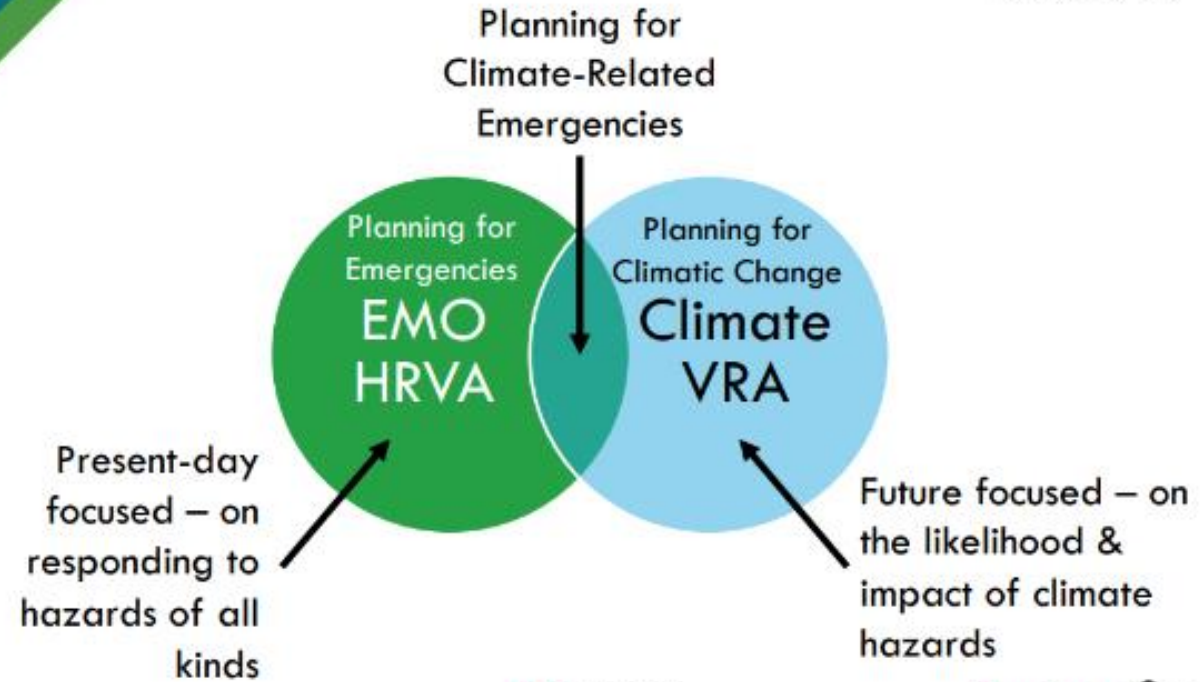
- Intended to support local government representatives across Manitoba lead an adaptation planning process
- Designed to be easy to understand and use
- Relationship to emergency management and disaster recovery

Climate Vulnerability and Risk Assessment (CVRA)

Hazard Risk and Vulnerability Assessment (HRVA)

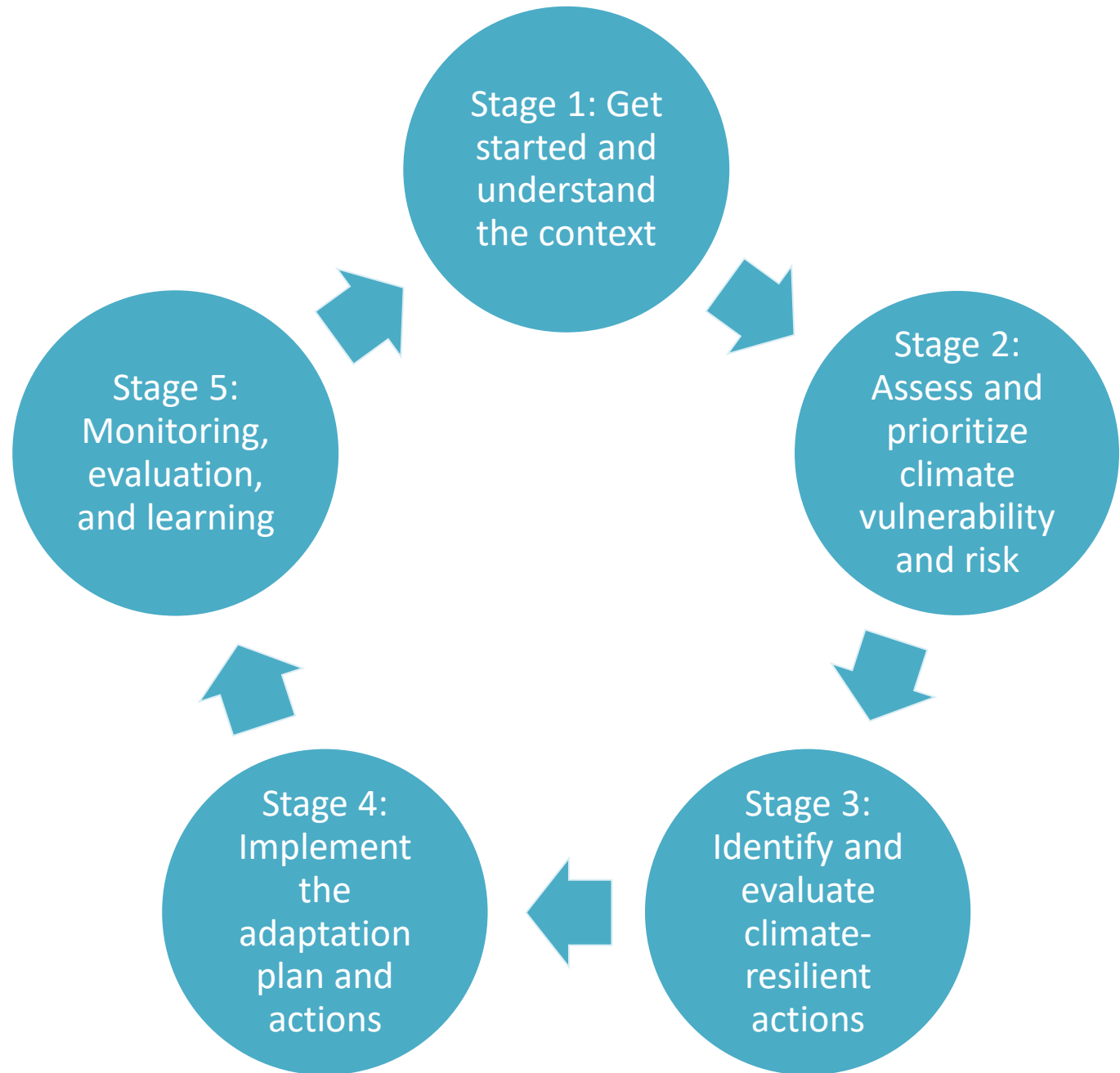


HRVA vs Climate VRA



Source: HTFC, 2023

Stages of the Adaptation Planning Process



Example 1: Stage 1

Worksheet 6. Secure Support from Key Decision-Makers.

Who are the elected officials in your community that you need to secure support for this process? This table will need to be updated continually as elections often change both the decision-making landscape and a government's administrative priorities.


Step 1.

Engaging s
critical to e
adaptation
planned sc
anticipated
existing un
or lessen it
page briefi
the long-te


Name	Position	Contact Info

Are there any important deadlines or timelines important in your community that will impact the planning process? Ex. Municipal election, annual budget cycle etc.

Next municipal election is:	
What is your budget cycle:	
Other:	

 Use Wo
decision m

Are there any key members of your community, outside of your elected officials and administrative staff, that could support and engage with the planning process, ex. Community or religious leaders, elders, local business leaders, etc.

 **Resourc**
a useful re:
makers and

Name	Position	Contact Info

Example 2: Stage 2 Option A

Step 2.1.2 Identify how the identified climate hazards are predicted to change

Learning about future climate change projections helps you understand how your community's climate may look in the future and assists with planning for those coming changes.



<p>Wetter springs, drier late summers</p>	<p>Much warmer winters</p>	<p>Many more hot days</p>
---	--------------------------------	-------------------------------

High-Carbon Climate Change Projections*

Change	Recent Past	10th percentile Low	2051-2080 Mean	90th percentile High	Direction of change
Typical hottest summer day	33.2 °C	34.1 °C	38.1 °C	42.2 °C	↑
Typical coldest winter day	-37.6 °C	-35.4 °C	-29.6 °C	-24.0 °C	↑
Number of +30 °C days per year	8	16	41	65	↑
Spring precipitation	111 mm	70 mm	129 mm	200 mm	↑
Summer precipitation	211 mm	114 mm	206 mm	318 mm	↓
Number of below-zero days per year	193	131	154	174	↓
Number of +20 °C nights per year	1	3	17	33	↑

*See back page for details and source of climate model data

Source: Prairie Climate Centre, 2024

Example 2: Stage 2 Option B

Step 2.1.2 Identify how the identified climate hazards are predicted to change

Learning about future climate change projections helps you understand how your community's climate may look in the future and assists with planning for those coming changes.

Optional worksheet. Selected Climate projections for your community.

Variable	Recent Past: 1976-2005	Near-term Projection: 2021-2050	Change (+/-)
Example: Very Hot Days (+30°C) in Morden	17.3 days	34.5 days	+ 17.2 days
Very Hot Days (+30°C)	days	days	days
Very Cold Days (-30°C)	days	days	days
Annual Mean Temperature	°C	°C	°C
Mean Spring Precipitation	mm	mm	%
Frost-Free Season	days	days	days

CLIMATE ATLAS

The Climate Atlas of C... management, resilienc... adaptation and mitigati... on communities is an o... municipalities. Follow a... municipality.

risk
nities for
of climate

ur

Example 3:

Stage 3

Step 3.0.1: Identifying potential adaptation actions

Begin by thinking about potential adaptation actions for each of your communities prioritized climate risks.

Worksheet 16. Identify potential adaptation actions for each hazard.

Climate Hazard: More frequent and intense heatwaves	
Consequence	Potential adaptation action
Physical heat stress to residents	Develop a plan to use community buildings, like libraries or recreation centres, to open as emergency cooling centres
	Develop a street tree program for more shade, decreasing the urban heat island effect to lessen the stress and severity of more frequent and intense heatwaves.
Greater water demand	Introduce drought tolerant landscaping on public and private lands
	Develop a rain barrel program for gardens/lawn/recreation
	Explore a progressive water pricing system to deter excessive usage

About the Adaptation Planning Process Guidebook and Workbook for Manitoba Communities: From Impacts to Actions

- The final, designed version of the Guidebook and Workbook will be provided by the end of April
- Please contact me with feedback or comments
- arawluk@iisd.ca



Join at menti.com | use code 25 80 97 5

 Mentimeter

Mentimeter Session #2

Instructions

Go to

www.menti.com

Enter the code

25 80 97 5



Or use QR code



Q & A

iisd.org

Twitter:@iisd_news

For more information:

Email: arawluk@iisd.ca

Winnipeg